

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG — ELECTRIC LOGS — FILE X WATER SANDS — LOCATION INSPECTED — SUB. REPORT/ABD. —

DATE FILED 2-1-80

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. SL-067701

INDIAN

DRILLING APPROVED: 2-8-80

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 3-12-82 Location Abandoned (Well Never Drilled)

FIELD: Bluff 3/86 Undesignated

UNIT: Bluff

COUNTY: San Juan

WELL NO. Bluff Unit #15

API NO: 43-037-30534

LOCATION 660' FT. FROM XX (S) LINE.

2060' FT. FROM XX (W) LINE.

SE SW  $\frac{1}{4}$  -  $\frac{1}{4}$  SEC. 28

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
39S	23E	28	DUGAN PRODUCTION CORP.				

FILE NO 15

Entered in NID File

Ent : 2 Sheet

Location Map Placed

Card Indexed

FW R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed

OW WW TA

GW OS PA

Location Inspected

Band released

State of Fee Land

LOGS FILED

Drill Log

Electric Logs (No. )

E I E-I GR GR-N Micro

Lat Mi-L Sonic Others

12-16-91  
JCR

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Dugan Production Corp.

3. ADDRESS OF OPERATOR  
Box 208, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 660' FSL - 2060' FWL ~~SWSE~~ SE SW  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
15 miles northwest of Montezuma Creek, Utah

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE  
2547.48

17. NO. OF ACRES ASSIGNED TO THIS WELL  
80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. approx. 1 mile

19. PROPOSED DEPTH  
7750' Desert Creek

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4966 GL

22. APPROX. DATE WORK WILL START\*  
1-15-80

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	32.30	300'	150 SX
8-3/4"	7"	23#	5790'	1200 cu ft in two stages

Plan to drill 8-3/4" hole w/mud to test the Ismay and Desert Creek formations. If zones are productive, plan to set 7" casing, cement in two stages.

Conoco will assume operation of well and deepen w/6-1/4" hole to 7750' to test Mississippian Formation. After tests are complete, Conoco will plug back to 7" casing and Dugan Production Corp. will complete by selectively perforating and acidizing the Ismay and Desert Creek formations.

If the Ismay and Desert Creek formations are non-productive, the 7" casing will not be set and the 8-3/4" hole will be continued to test the Mississippian Formation.

A 10" 900 series BOP will be used during drilling operations.

1 6" 900 series BOP will be used during completion operations.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and/or vertical depth. Give blowout preventer program, if any.

24. SIGNED Thomas A. Dugan  
(This space for Federal or State office use)

TITLE Petroleum Engineer

DATE 11-12-79

PERMIT NO. 43-037-30534

"APPROVAL TO FLARE GRANTED WHILE DRILLING AND TESTING"

APPROVAL DATE 2-8-80

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED AS AMENDED  
DATE

\*See Instructions On Reverse Side

JAN 17 1980  
James F. Sims  
DISTRICT ENGINEER

APPROVED FOR A PERIOD NOT TO EXCEED 1 YEAR.

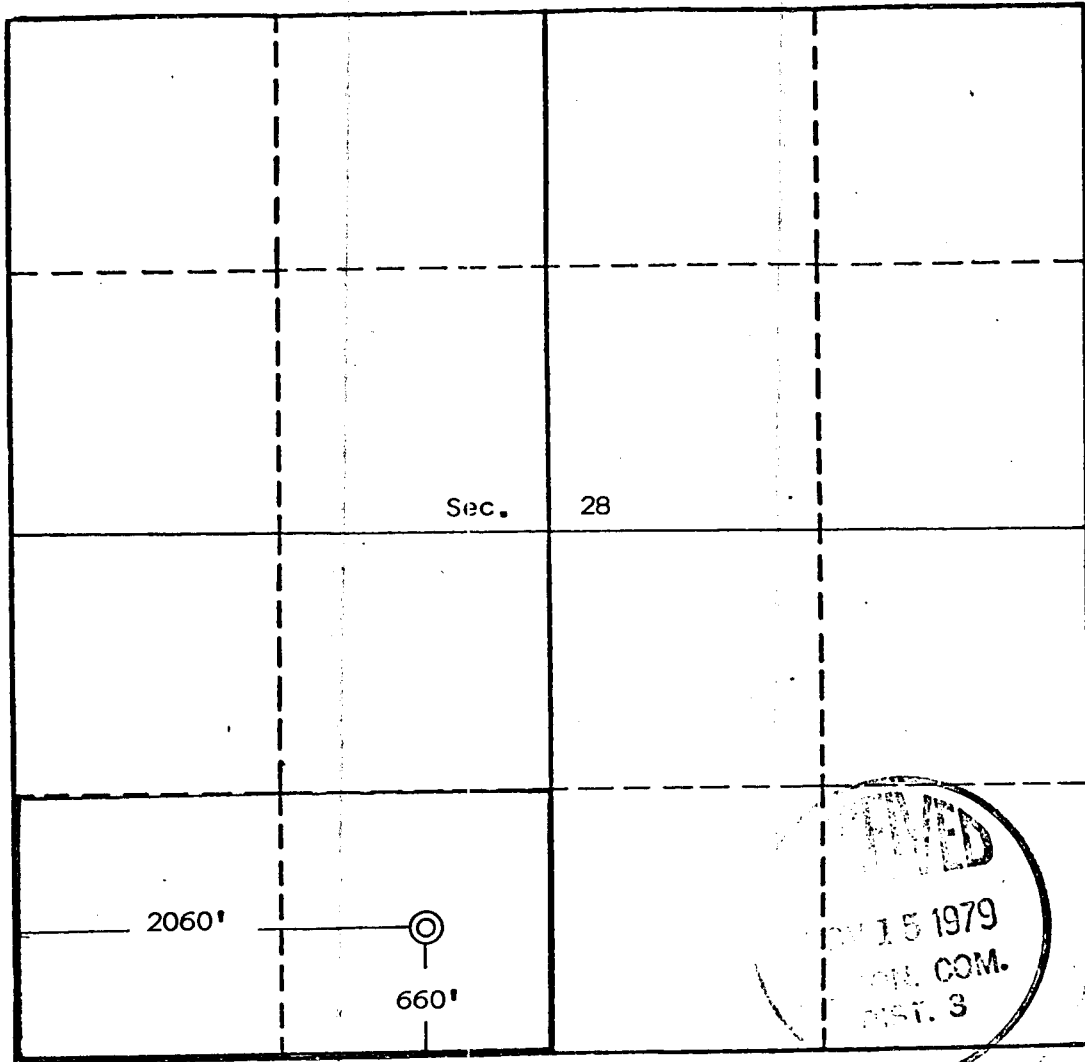
Company Dugan Production Corporation

Well Name & No. Bluff Unit No. 15

Location 660' F/SL 2060' F/WL

Sec. 28, T. 39 S., R. 23 E., S. L. M., County San Juan, Utah

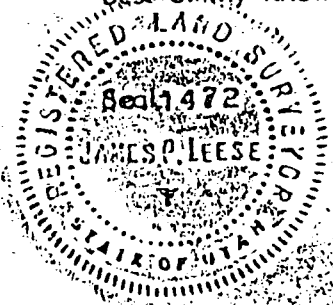
Ground Elevation 4966



Scale, 1 inch = 1,000 feet

Surveyed October 4, 1979

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief. 13 1979



*James P. Leese*  
James P. Leese  
Registered Land Surveyor  
Utah Reg. No. 1472

## STIPULATIONS

Dugan Production Corporation  
Well No. 15  
660' FSL, 2060' FWL  
Sec. 28, T. 39 S., R. 23 E.  
San Juan County, Utah

Elevation: 4966'  
Soils: Clay loam with pavement throughout  
Slope: 0-8% with west and northeast aspects

This site will require construction of the well pad, pits, and  $1\frac{1}{2}$  miles of new road. Access will also require the repair of approximately one mile of existing road.

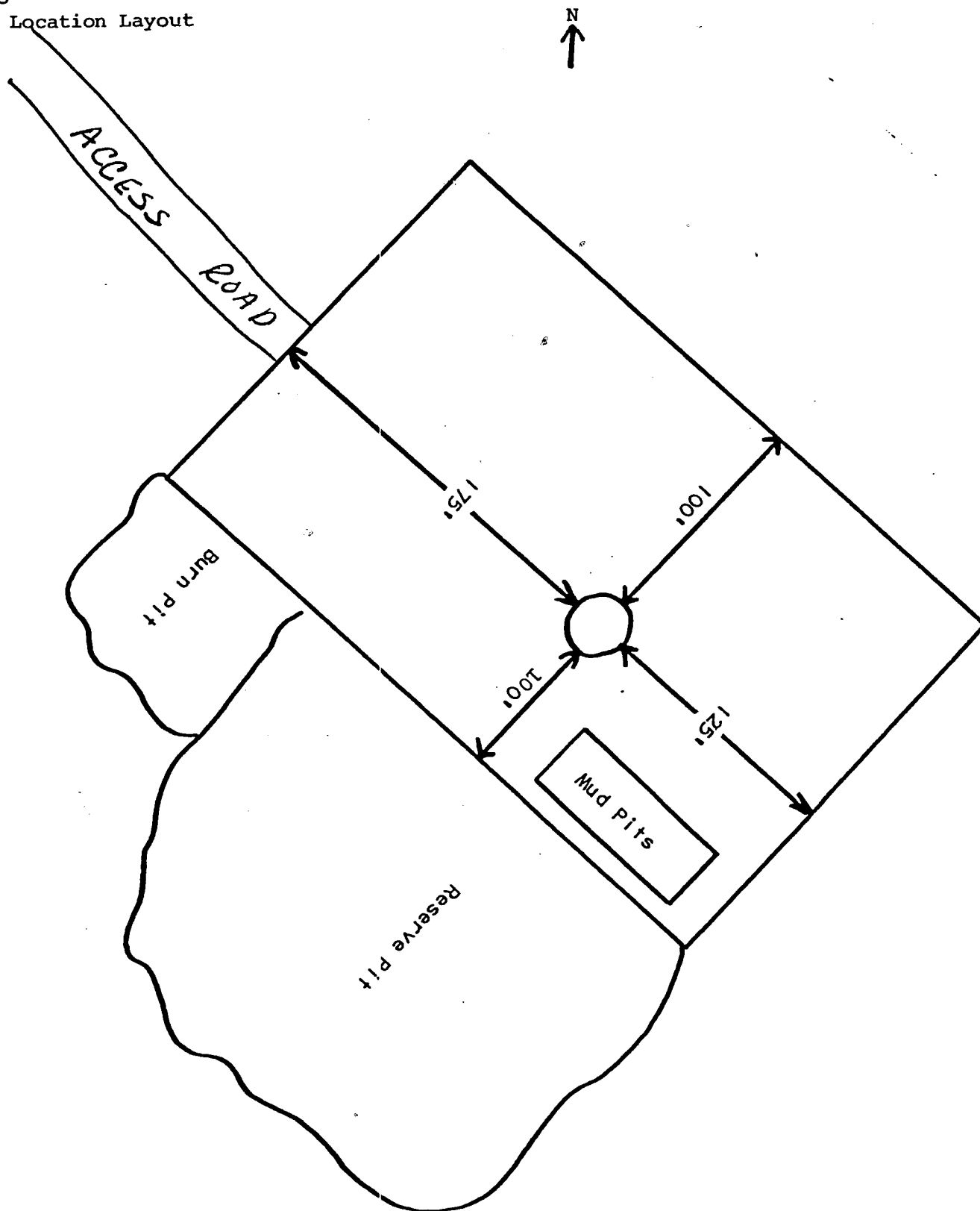
### Special Stipulations:

1. Construction of the pad will be such that it will not add to the existing erosion of the site. Drainage ditches will be constructed above and below any cuts made to divert surface flow from these surfaces.
2. The access road will be limited to 20' in width and will be constructed along an existing, little used, track into the site. It will follow the contour of land and culverts and will be placed in the major drainages that have large discharges of water from storm activity. Waterbars will be constructed in the appropriate places to decrease erosion on the road. Maintenance of the road will be such that it is kept in good repair with a blade and erosion kept to a minimum. Cuts on the road will be so constructed as to minimize erosion.
3. After drilling, the pad area will be seeded with the recommended seed mix. Seed will be drilled to a depth of not less than  $\frac{1}{4}$  inch, and not more than  $\frac{3}{4}$  inch deep, followed by a drag or packer. Compacted areas will be plowed (disced) to a depth of 4-6 inches before seeding. Areas too steep to be drilled will be broadcast seeded with a "cyclone" hand held seeder or a similar device, using 150% of the recommended drilled rate of seed per acre.
4. Pits will be allowed to evaporate and will then be filled, leveled, and seeded.
5. If abandoned, all disturbed areas will be leveled and reseeded. The access road will be reseeded and sufficiently barricaded to block normal traffic.
6. Any construction for permittees or land users such as reservoirs will be done under the direction of the surface managing agency.

### Recommended Seed Mixture:

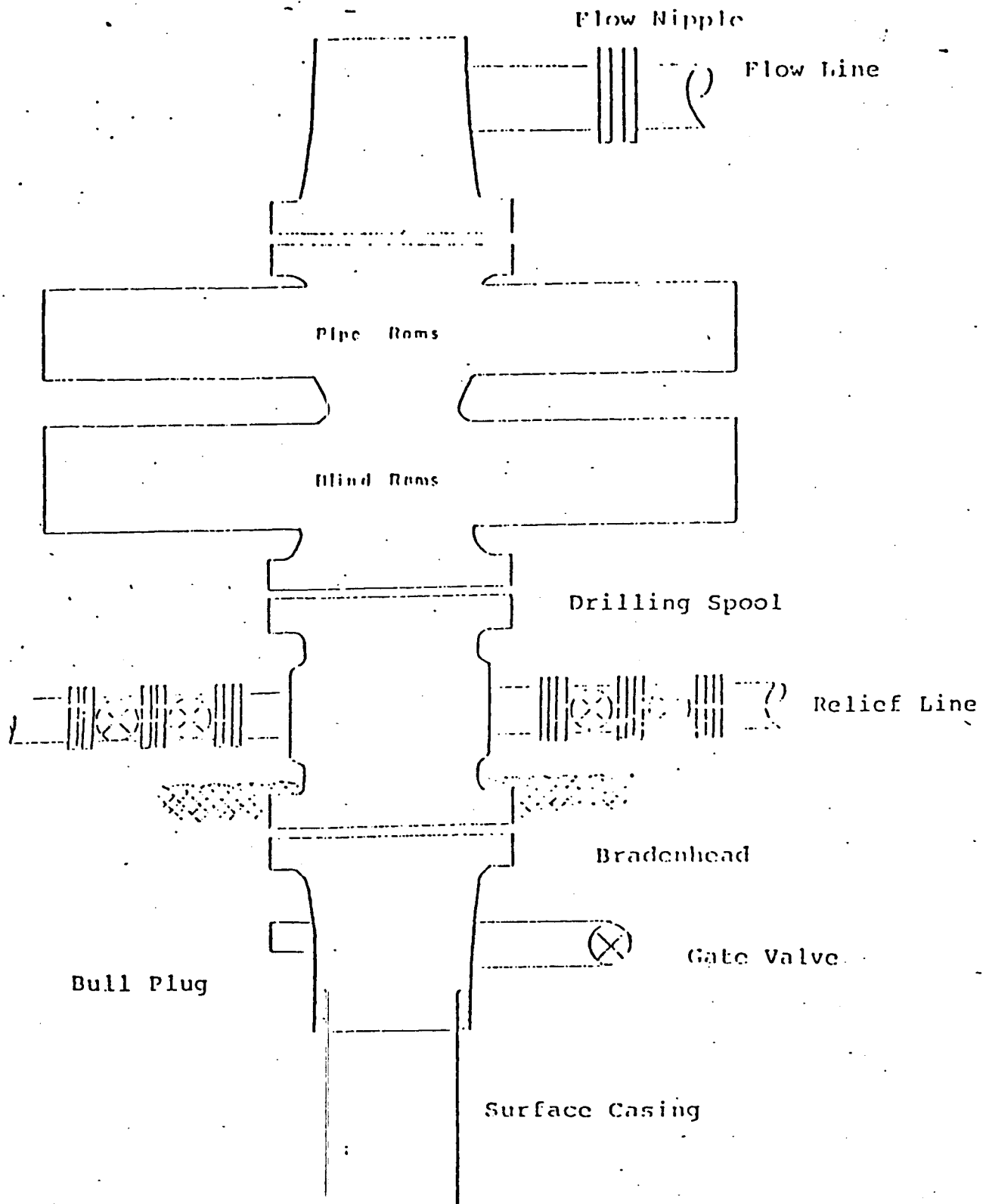
<u>Species</u>	<u>Pounds/acre</u>	<u>Minimum % of PLS Accept.</u>
Alakali sacaton	1	76%
Sand dropseed	1	76%
Galleta	2	55%

Dugan Production Corp.  
Bluff #15  
Proposed Location Layout



# PICAL BOP INSTALLATION

FOR WELL



Series 900 Double Gate BOP, rated  
at 3000 psi Working Pressure

When gas drilling operations begin a Shaffer type  
50 or equivalent rotating head is installed on top of  
the flow nipple and the flow line is converted into  
a blowie line.

## OPERATIONS PLAN

OPERATOR: Dugan Production Corp.  
WELL NAME: Bluff Unit #15  
FIELD: Ismay - Desert Creek Formations  
LOCATION: 660' FSL - 2060' FWL Section 28 T39S R23E San Juan County, Utah  
ELEVATION: 4966' GL

### EXPECTED FORMATION TOPS:

Entrada	505'	Lower Ismay Ø	5560' (-585)
Navajo	845'	Desert Creek	5655' (-680)
Wingate	1380'	Zone II Ø	5710'
Chinle	1830'	Zone III Ø	5735'
Coconino	2880'	Base DC	5760'
Organ Rock	2940'	TD	5790
Hermosa	4690'	(T/Salt)	(5800)
Ismay	5450'		

LOGGING PROGRAM: DIL with Micro SFL -Base sfc csg to TD  
GR/FDC - CNL W/F - 4700' to TD  
SAMPLES: 30' - sfc csg to 5400'  
5' - 5400' to TD

### CASING PROGRAM

<u>Hole Size</u>	<u>Depth</u>	<u>Csg Size, Wt, Grace, &amp; Condition</u>	<u>Cementing Program</u>
12-1/4"	300'	9-5/8" 32.3# H New	150 sx class "B" w/2% Cacl
8-3/4"	5790'	7" 23# K&N New	1200 cu ft cement in two stages

### WELLHEAD EQUIPMENT

csg head - 10" 900 series new  
tbh head - 10" x 6" 900 series new w/flanged outlets

Office - 325-0238  
Tom Dugan 325-5694  
Jim Jacobs 325-8353  
Kurt Fagrelus 334-3381  
Bill Donovan 325-5692  
James Hazen



DEVELOPMENT PLAN

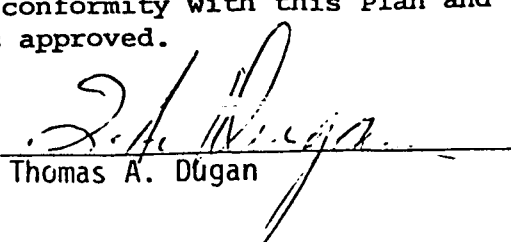
Dugan Production Corp.

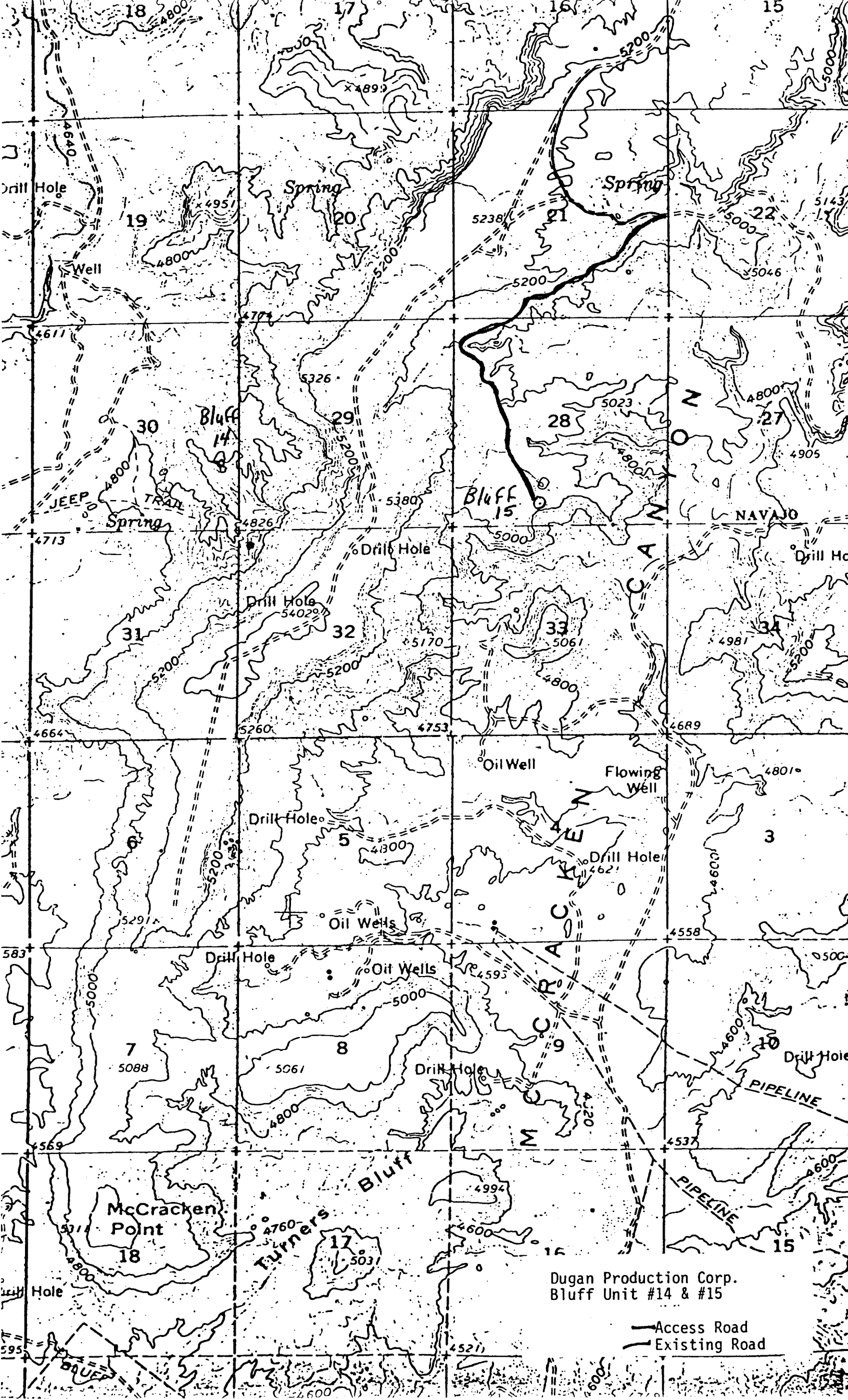
Bluff #15

1. Existing roads and existing wells are shown on attached plat.
2. Planned access from existing road approximately 2 miles to new location. Will leave natural grass and small vegetation on roadway. Will remove large brush or trees from road. Do not plan to make road grade or bar ditches. Will bottom-out any arroyo we cross and not install culverts.
3. Location of well: 660' FSL - 2060' FWL  
Sec 28 T39S R23E  
San Juan County, UT
4. One additional well(s) planned on this <sup>unit</sup>~~XXXX~~ at this time.
5. Separator and flow line will be located within 50' of wellhead.
6. Water will be secured from Bluff Unit water well.
7. Waste materials will be buried on location or in reserve pit.
8. No permanent camp is planned; trailer house will be used on location while drilling.
9. Do not plan to build airstrip.
10. See attached plat for proposed location layout.
11. A general description of the topography, soil characteristics, geologic features, flora and fauna; other surface-use activities and surface ownership of involved lands, proximity of water, occupied dwellings, archeological, historical or cultural sites can be found in the archeologist's report.
12. Geologic name of surface formation: Dakota
13. Estimated tops of important geologic markers:  
See Operations Data Sheet
14. Estimated depths of anticipated water, oil, gas, or other mineral bearing formations which are expected to be encountered:
15. We do not anticipate to encounter any abnormal pressures or temperatures or any potential hazards such as those associated with hydrogen sulfide.
16. Will clean up location, fill and level pits, level ruts in road, reseed location and road with Seed Mixture #2 and paint equipment with Sandstone Brown.
17. Operator's Representative:  
Thomas A. Dugan  
Box 208  
Farmington, NM 87401
18. Certification: The following statement must be signed by the lessee's or operator's field representative who is identified in Item #17 of the Plan:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this Plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Dugan Production Corp. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: 11-12-79

  
Thomas A. Dugan



Dugan Production Corp.  
Bluff Unit #14 & #15

— Access Road  
— Existing Road

**\*\* FILE NOTATIONS \*\***

DATE: February 1, 1980

Operator: Dugan Production Corp.

Well No: Bluff Unit #15

Location: Sec. 28 T. 39S R. 23E County: San Juan

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-037-30534

**CHECKED BY:**

Geological Engineer: \_\_\_\_\_

Petroleum Engineer: \_\_\_\_\_

Director: OK in unit  
at lease 500' from Unit Boundary

**APPROVAL LETTER:**

Bond Required: ☐

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage  
within a 660' radius of proposed site ☐

Lease Designation 3rd Unit

Plotted on Map ☒

Approval Letter Written ☒

ltn

*Unit  
approval*

*hl  
PI*

February 8, 1980

Dugan Production Corporation  
Box 208  
Farmington, New Mexico 87401

Re: Well No. Bluff Unit #14, Sec. 30, T. 39S, R. 23E., San Juan County, Utah  
Well No. Bluff Unit #15, Sec. 28, T. 39S, R. 23E., San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-8, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #14 - 43-037-30533;  
#15 - 43-037-30534.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Geological Engineer

/b:dm

cc: USGS

NOVEMBER 12, 1980

Dugan Production Corp.  
Box 208  
Farmington, New Mexico 87401

RE: WELL NO. Bluff Unit #15  
Sec. 28, T. 39S, R. 23E,  
San Juan County, Utah

Gentlemen:

In reference to above mentioned well (s), considerable time has gone by since approval was obtained from this office.

THIS office has not received any notification of spudding. If you do not intend to drill this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

*Debbie Beauregard*

DEBBIE BEAUREGARD  
CLERK TYPIST



# dugan production corp.

December 30, 1980

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Attn: Debbie Beauregard *Location*  
Re: Well No. Bluff Unit #15 *Abandon*  
Section 28, T-39-S, R-23-E,  
San Juan County, Utah

Gentlemen:

This is in response to your letter dated November 12, 1980, wherein you inquired as to operations on the above referenced well.

In January, 1980, an Indian boy died after inhaling fumes from oil held in a storage tank situated on our property in the Bluff Unit. In February, 1980, and as a result of this death, the U. S. Geological Survey ordered termination of our operations in the Bluff Unit. The U. S. Geological Survey rescinded this order by subsequent order issued in early December, 1980.

We are now in a position to continue development of our properties in the Bluff Unit; however, we will not commence drilling operations until we have had an opportunity to re-evaluate our development plans for the Bluff Unit area.

We will notify your office of our plans for drilling when those plans have been finalized.

Please let me know should you need any other information.

Sincerely,

*Tommy Roberts*

Tommy Roberts  
Landman

TR:nw

**RECEIVED**

JAN 2 1980

DIVISION OF  
OIL, GAS & MINING

14

RECEIVED

MAY 12 1982

Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3884

DIVISION OF  
OIL, GAS & MINING

May 12, 1982

Dugan Production Corporation  
P.O. Box 208  
Farmington, New Mexico 87401

Re: Application for Permit to Drill  
Well Nos. 14 and 15  
Sections 30 and 28-T39S-R23E  
San Juan County, Utah  
Lease No. SL-067701

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved on January 11, 1980. Under current District policy, applications for permit to drill are effective for a period of one year. Both permits have been given extensions of 1 year and 120 days.

In reviewing the recently submitted new 9-331C's, it is noted that you plan to drill Well No. 14 by approximately June 1, 1982. We will extend this permit to January 11, 1983. This is a final extension for this permit, and if the well has not been drilled by that time, the permit will be rescinded.

Since you do not plan to drill Well No. 15 until approximately March of 1983, we are rescinding the approval of this permit. If you again desire to drill at this location, it will be necessary for you to submit a new complete application.

This office requires a letter confirming that no surface disturbance has been made for well No. 15 drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Guynn  
District Oil & Gas Supervisor

bcc: SMA  
State O&G  
State BLM  
WMS-Vernal  
Well Site  
APD Control  
DH/cn